

Title (en)

ANTENNA AND ELECTRONIC DEVICE INCLUDING THE SAME

Title (de)

ANTENNE UND ELEKTRONISCHE VORRICHTUNG DAMIT

Title (fr)

ANTENNE ET DISPOSITIF ÉLECTRONIQUE COMPRENANT CELLE-CI

Publication

**EP 3024090 A1 20160525 (EN)**

Application

**EP 15195550 A 20151120**

Priority

KR 20140163756 A 20141121

Abstract (en)

Provided are an antenna and an electronic device including the same. The antenna includes a substrate, an antenna radiator fed from the substrate, at least one metallic member disposed near the antenna radiator, a connector member electrically connected to the substrate, and a capacitor formed by a dielectric interposed between the connector member and the at least one metallic member.

IPC 8 full level

**H01Q 5/328** (2015.01); **H01Q 5/378** (2015.01); **H01Q 1/24** (2006.01)

CPC (source: CN EP US)

**H01Q 1/242** (2013.01 - CN); **H01Q 1/243** (2013.01 - CN EP US); **H01Q 1/36** (2013.01 - CN); **H01Q 1/48** (2013.01 - US); **H01Q 5/328** (2015.01 - EP US); **H01Q 5/378** (2015.01 - EP US); **H04M 1/0202** (2013.01 - CN)

Citation (search report)

- [XYI] US 6429818 B1 20020806 - JOHNSON GREG [US], et al
- [Y] WO 2007096693 A1 20070830 - NOKIA CORP [FI], et al
- [Y] US 2014126172 A1 20140508 - FAHLGREN ANTON [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3024090 A1 20160525; EP 3024090 B1 20190911**; CN 105633551 A 20160601; CN 105633551 B 20190503; ES 2755383 T3 20200422; KR 102207852 B1 20210126; KR 20160061178 A 20160531; US 10468750 B2 20191105; US 2016149291 A1 20160526

DOCDB simple family (application)

**EP 15195550 A 20151120**; CN 201510816031 A 20151123; ES 15195550 T 20151120; KR 20140163756 A 20141121; US 201514946267 A 20151119